

CONTRIBUTION TO THE LICHEN FLORA OF URUGUAY.  
X. TAXONOMICAL NOTES.

Héctor S. Osorio.

Departamento de Botánica, Museo Nacional de  
Historia Natural. Montevideo. URUGUAY.

In the present paper we continue with the revision of species reported for Uruguay. We also mention works published subsequently to the issue of our preliminary Catalogue (Osorio 1972) in which some collections from Uruguay are identified again. However in such publications previous names given to these species when originally published have been omitted. Additional collections studies for comparative purposes are included too.

Besides the materials collected by the author and preserves in his private herbarium, specimens belonging to the following herbaria have been included: Botanical Museum, University of Helsinki, Finland (H), Departamento de Botánica, Museo Nacional de Historia Natural, Montevideo, Uruguay (MVM).

Collema leucophthalmum Nyl.

TREINTA Y TRES: Vergara, Herter 88809 (H!) (Räsänen 1942:14). Redetermined as Collema glaucophthalmum Nyl. var. glaucophthalmum (Degelius 1974:169).

Additional specimens of C. glaucophthalmum var. glaucophthalmum examined:

DURAZNO: Arroyo El Cordobés, Paso de la Cruz, on Salix, Osorio 2748.

LAVALLEJA: Highway 8 and Arroyo La Calera, on Salix, Osorio 3619.

ROCHA: Castillos, Cerro de los Rocha, on Salix, Osorio 5647.

TACUAREMBO: Valle Edén, on trees, Osorio 1138.

Leptogium menziesii (Smrft.) Mont.

LAVALLEJA: Penitente, Herter 87864 (H!) (Räsänen 1938:69). This collection was redetermined as Leptogium acutisporum P. M. Jørg. (P. M. Jørgensen 1975:439). Additional specimens of L. acutisporum examined:

LAVALLEJA: Abra de Cotto, on bark, Osorio 6474, on Myrtaceae, Osorio 6504.

MALDONADO: Pan de Azucar, Parque Municipal, on Erythrina crista-galli, Osorio 5054, on Populus nigra, Osorio 5072.

Lobaria crenulata (Hook.) Vain.

ROCHA: Arroyo del Alferez, Paso de los Talas, Hosseus 1935 (H!) (Räsänen 1939:126).

TERINTA Y TRES: Vergara, Herter 90813 (H!) (Räsänen 1942:14).

Both collections belong to Lobaria erosa (Eschw.) Trev.

Parmelia cristifera Tayl.

MALDONADO: Piriapolis, Hosseus 1935 (Räsänen 1939:126).

Duplicatas of this collection were distributed as Lichenotheca parva, ed. Sect. Bot. Mus. Hist. Nat. Hung. no. 71 (Herb. Osorio). It corresponds to Parmotrema cetratum (Ach.) Hale.

Parmelia revoluta Floerk.

ROCHA: Santa Teresa, Hosseus 48 (Räsänen 1939:127).

Redetermined as Hypotrachyna osorioi (Hale) Hale by Hale (Hale 1975:51.).

Additional specimens of H. osorioi examined:

LAVALLEJA: Cerro Arequita, on stones, Osorio 3937;

Villa Serrana, on stones, Osorio 3835.

MALDONADO: Cerro del Toro, on stones, Osorio 4593;

Cerro Pan de Azucar, on Dodonea viscoa, Osorio 5035, on stones, Osorio 5037.

Parmelia trichotera Hue var. claudelii (Harm.) DR.

TACUAREMBO: Valle Edén, Osorio 1174 (Magnusson 1950: 235). Identified by Hale as Parmotrema reticulatum (Tayl.) Choisy.

Additional specimens of P. reticulatum examined:

CANELONES: La Paz, on stones, Marchesi s.n. (MVM 17681)

COLONIA: Rio Rosario and Rio de la Plata, on bark, Gortari s.n. (MVM 17418); Punta Gorda, on bark, Mones s.n. (MVM17617).

FLORIDA: Est. 25 de Agosto, on wooden fence post, Osorio 1753, on Melia azedarach, Osorio 4381.

MALDONADO: Cerro Pan de Azucar, on stones, Osorio 5023 det. M. Hale.

Parmelia velloziae Vain.

MALDONADO: Piriapolis, Cerro del Toro, Osorio 4599 (Osorio 1971:375). Redetermined by Hale as Xantho-

parmelia mougeotii (Schaer.) Hale.

Parmelia zahlbruckneri Lynge.

LAVALLEJA: Abra de Cotto, Osorio 6480 (Osorio 1971: 375). Determined by Hale as Hypotrachyna livida (Tayl.) Hale (Hale 1975:47).

Additional specimens of H. livida examined:

CERRO LARGO: Arroyo de la Mina, Paso Duraznero, on bark, Ximenez s.n. (MVM 17235), det. Hale.

MALDONADO: Piriapolis, Cerro del Toro, on stones, Osorio 4590, det. Hale.

Phaeographina epruinosa Redgr.

MONTEVIDEO: Colón, Herter 1932 (H!); Miguelete, Herter 88833 (H!), (Räsänen 1942:13).

Both collections belong to Phaeographina arechavaletae Müll. Arg.

Additional specimens of Ph. arechavaletae examined: ARTIGAS: Arroceras Conti, on Peltophorum dubium, Osorio 7426.

MONTEVIDEO: Parque Rodo, on Enterolobium contortisiliquum, Osorio 4877, Parque Tomkinson, on Melia azedarach, Osorio 7347.

SALTO: Salto Chico, on Melia azedarach, Osorio 6661.

TACUAREMBO: Valle Edén, on Melia azedarach, Osorio 1133.

Physcia aegialita (Ach.) Nyl.

ARTIGAS: Arroceras Conti, Lage de Ximenez s.n. (MVM 17137 & 17139) (Osorio 1970:343). Redetermined as Dirinaria confluens (Fr.) Awasthi.

Additional specimens of D. confluens examined:

COLONIA: Nueva Palmira, Arroyo Sauce, on Rapanea laevirens, Osorio 4837.

Physcia picta (Sw.) Nyl.

SALTO: Paso Yacaré, Osorio 5791, 5799 (Osorio 1970a:2)

SAN JOSE: B. Pascual, Herter 87422 (Osorio 1967:6).

All collections were redetermined as Dirinaria appplanata (Fée) Awasthi.

Additional specimens of D. appplanata examined:

ARTIGAS: Estancia El Tigre, on Myrtaceae, Osorio 7237.

LAVALLEJA: Minas, Parque Salus, on Eucalyptus, Osorio 4951.

SALTO: Piroto, on bark, Osorio 6741.

Acknowledgments: to Dr. M. E. Hale, Jr. for help in many ways.

## LITERATURE CITED.

- Degelius, G. 1974. The lichen genus Collema with special reference to extra-european species. *Symb. Bot. Ups.* 20(2):1-215.
- Hale, M. E. Jr. 1975. A revision of the lichen genus Hypotrachyna (Parmeliaceae) in tropical America. *Smithsonian Contr. Bot.* 25:1-73.
- Jørgensen, P. M. 1975. Contribution to a monograph of the Mallotium-hairy Leptogium species. *Herzogia* 3:433-460.
- Magnusson, A. H. 1950. Lichens from Uruguay. *Medd. Göteborgs Bot. Trädg.* 18:213-237.
- Osorio, H. S. 1967. Contribution to the lichen flora of Uruguay. III. Some additional new localities. *Comun. Bot. Mus. Hist. Nat. Montevideo* 4(46):1-16.
- \_\_\_\_\_. 1970. Contribution to the lichen flora of Uruguay. IV. Some lichen from Northern Uruguay. *Nova Hedwigia* 19:339-344.
- \_\_\_\_\_. 1970a. Contribution to the lichen flora of Uruguay. V. Lichens from Paso Yacaré, Salto county. *Comunic. Bot. Mus. Hist. Nat. Montevideo* 4(52):1-2.
- \_\_\_\_\_. 1971. Contribution to the lichen flora of Uruguay. VI. New records. *The Bryologist* 74:375.
- \_\_\_\_\_. 1972. Contribution to the lichen flora of Uruguay. VII. A preliminary Catalogue. *Comun. Bot. Mus. Hist. Nat. Montevideo* 4(56):1-46.
- Räsänen, V. 1938. Beiträge zur Flechtenflora Südamerikas. *Rev. S. Am. Bot. (Montevideo)* 5(3-4):65-72.
- \_\_\_\_\_. 1939. Lichenes uruguayenses a prof. C. C. Hosseus collecti. I. *Borbasia* 1(8):124-130.
- \_\_\_\_\_. 1942. Beiträge zur Flechtenflora Südamerikas. II. Uruguaysche Flechten gesammelt von Dr. Phil. W. G. Herter mit Berücksichtigung einiger Funde aus Paraguay. *Rev. S. Am. Bot. (Montevideo)* 7(1):12-16.